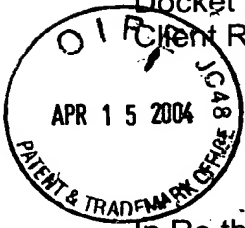


2652

Docket Number: 008312-0281351
Client Reference: T4TY-01S0006-1

PATENT APPLICATION



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of

MINORU YONEZAWA, et al.

Group Art Unit: 2652

Application No.: 09/873,408

Examiner:

Filed: June 5, 2001

Confirmation No.:

For: OPTICAL DISK APPARATUS AND METHOD OF ADJUSTING THE SAME

INFORMATION DISCLOSURE STATEMENT

RECEIVED

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

APR 16 2004

Technology Center 2600

Sir:

Pursuant to 37 CFR 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom. Applicants respectfully request the Examiner return an initialed copy of the enclosed Form PTO-1449 to Applicants with the next Office communication to indicate that the reference(s) has been considered, per MPEP § 609.

This Information Disclosure Statement is being filed before the mailing date of the first Office Action on the merits in the present application. No certification or fee is required.

The references were cited in a international search report in a counterpart foreign application. An English language version of the foreign search report is attached for the Examiner's information.

Docket Number: 008312-0281351
Client Reference: T4TY-01S0006-1

A concise explanation of the relevance of the non-English language references appears in the Appendix attached hereto. An English-language Abstract of the non-English language reference is attached hereto.

Respectfully Submitted,

Jeffrey D. Karceski
Registration Number 35914
Customer Number: 00909

A handwritten signature in black ink, appearing to read 'G. T. Barrett', with a long horizontal stroke extending to the right.

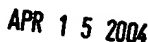
Glenn T. Barrett
Registration Number 38705
Customer Number: 00909

Date: April 15, 2004
PILLSBURY WINTHROP LLP
Telephone: (703) 905-2000
Facsimile: (703) 905-2500
P.O. Box 10500
McLean, VA 22102

APPENDIX

Concise Explanation

WO 98/16924: describes a method which serves to control the focusing of a light beam, aimed at a rotating recording medium (25) for reading data, of a scanner (15, 20) onto the recording medium (25) and the guidance of the light beam along the data tracks of the recording medium (25), each by means of a respective control circuit. The scanner (15, 20) and the recording medium (25) are mounted on a fundamental substrate (10) in at least one housing (1), and the at least one housing (1), together with the fundamental substrate (10), the scanner (15, 20) and the recording medium (25), forms a coupled mechanical oscillator, which is vibrated as a function of a vibration spectrum (75); the scanner (15, 20) is accelerated by the vibration and a relative motion of the recording medium (25) with respect to the scanner (15, 20) is effected, and the amplitudes of the relative motion and the accelerations have a frequency response. The masses, spring constants and damping values of the scanner (15, 20), the recording medium (25), the fundamental substrate (10), and the at least one housing (1) are selected such that the frequencies at which the amplitudes of the relative motion of the recording medium (25) relative to the scanner (15, 20) and the accelerations acting on the scanner (15, 20) are maximal are located in a frequency band of the respective control circuit in which an amplification is performed, and the maximum values of the amplitudes in that frequency band do not exceed a predetermined value



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(Use as many sheets as necessary)

Sheet	1	of
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Complete if Known

Application Number	09/873,408
Filing Date	06/05/2001
First Named Inventor	MINORU YONEZAWA
Art Unit	2652
Examiner Name	
Attorney Docket Number	008312-0281351

[illegible]

Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴ Kind Code ⁵ (if known)				
	A	EP	1 003 159 A1	05-24-2000	SAKAMOTO et al.		
	B	WO	98/16924	04-23-1998	BUCHS et al.		
	C	EP	0 745 981 A2	12-04-1996	BABA		

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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.¹ Applicant's unique citation designation number (optional).² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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